

Affected source/ Emission unit	Pollutant	Limit	Units
New and existing group 1 furnace with clean charge only ^c	PM	0.40	lb/ton of feed
	HCl	0.40	lb/ton of feed
	HF ^h	0.40	lb/ton of feed
		or 10	percent of the HCl upstream of an add-on control device
	D/F ^a	No Limit	Clean charge only
New and existing secondary aluminum processing unit ^{a,d} (consists of all existing group 1 furnaces and existing in-line flux boxes at the facility, or any combination of new group 1 furnaces and new in-line fluxers)	PM ^e	$L_{t_{PM}} = \frac{\sum_{i=1}^n (L_{i_{PM}} \times T_i)}{\sum_{i=1}^n (T_i)} \quad (\text{Eq. 1})$	
	HCl and HF ^{f, h}	$L_{t_{HCl/ HF}} = \frac{\sum_{i=1}^n (L_{i_{HCl/ HF}} \times T_i)}{\sum_{i=1}^n (T_i)} \quad (\text{Eq. 2})$	
	D/F ^g	$L_{t_{D/F}} = \frac{\sum_{i=1}^n (L_{i_{D/F}} \times T_i)}{\sum_{i=1}^n (T_i)} \quad (\text{Eq. 3})$	

^a D/F limit applies to a unit at a major or area source.

^b Sweat furnaces equipped with afterburners meeting the specifications of § 63.1505(f)(1) are not required to conduct a performance test.

^c These limits are also used to calculate the limits applicable to secondary aluminum processing units.

^d Equation definitions: $L_{i_{PM}}$ = the PM emission limit for individual emission unit i in the secondary aluminum processing unit [kg/Mg (lb/ton) of feed]; T_i = the feed rate for individual emission unit i in the secondary aluminum processing unit; $L_{t_{PM}}$ = the overall PM emission limit for the secondary aluminum processing unit [kg/Mg (lb-ton) of feed]; $L_{i_{HCl/ HF}}$ = the HCl or HF emission limit for individual emission unit i in the secondary aluminum processing unit [kg/Mg (lb/ton) of feed]; $L_{t_{HCl/ HF}}$ = the overall HCl or HF emission limit for the secondary aluminum processing unit [kg/Mg (lb/ton) of feed]; $L_{i_{D/F}}$ = the D/F emission limit for individual emission unit i [μ g (TEQ)/Mg (gr TEQ/ton) of feed]; $L_{t_{D/F}}$ = the overall D/F emission limit for the secondary aluminum processing unit [μ g TEQ/Mg (gr TEQ/ton) of feed]; n = the number of units in the secondary aluminum processing unit.

^e In-line fluxers using no reactive flux materials cannot be included in this calculation since they are not subject to the PM limit.

^f In-line fluxers using no reactive flux materials cannot be included in this calculation since they are not subject to the HCl and HF limit. Controlled group 1 furnaces cannot be included in the HF emissions calculation because they are not subject to HF limits.

^g Clean charge furnaces cannot be included in this calculation since they are not subject to the D/F limit.

^h HF limits apply only to uncontrolled group 1 furnaces.